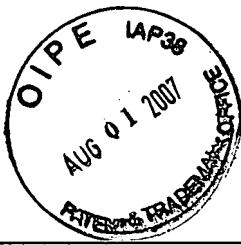


*ZJm*



REVOCATION OF PRIOR POWERS OF ATTORNEY  
APPOINTMENT OF NEW POWERS OF ATTORNEY  
AND  
CHANGE OF CORRESPONDENCE ADDRESS

in re

Applicant/Patent Owner: **SIEMENS VDO AUTOMOTIVE CORPORATION**

Application No.: **10/664,808** Filing Date: **9/17/2003**

Publication No.: Publication Date:

Patent No.: Issue Date:

**Entitled: Power Converter Architecture Employing at Least One Capacitor across a DC Bus**

Siemens VDO Automotive Corporation, a Delaware corporation, as assignee of the entire right, title, and interest in the patent application/patent identified above by virtue of an assignment averred per the attached Statement Under 37 CFR 3.73(b), hereby:

- a) revokes all previous powers of attorney given in the above-identified application.
- b) appoints all Practitioners associated with the Customer Number: 028524 as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.
- c) requests change the correspondence address for the above-identified application to the address associated with the above-mentioned Customer Number.

Laura M. Slenzak  
Assistant Secretary for Intellectual Property Matters  
Siemens VDO Automotive Corporation

19 July 2007



**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: **SIEMENS VDO AUTOMOTIVE CORPORATION**

Application No.: **10/664,808**

Filing Date: **9/17/2003**

Publication No.:

Publication Date:

Patent No.:

Issue Date:

Entitled: **Power Converter Architecture Employing at Least One Capacitor across a DC Bus**

Siemens VDO Automotive Corporation, a Delaware corporation, states that it is: the assignee of the entire right, title, and interest in the patent application/patent identified above by virtue of an assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at **Reel 019077, Frame 0840**, for which a copy thereof is attached.

As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was already submitted for recordation pursuant to 37 CFR 3.11.

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

19 July 2007

  
Laura M. Stenzak  
Assistant Secretary for Intellectual Property Matters  
Siemens VDO Automotive Corporation



United States Patent and Trademark Office

## Patent Assignment Details

**NOTE: Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.**

**Reel/Frame:** 019077/0840

Pages:

7

**Recorded:** 3/28/2007

**Conveyance: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).**

Total properties: 104

1	<b>Patent #:</b> <u>5402059</u> <b>Issue Dt:</b> 3/28/1995 <b>Application #:</b> 8193587 <b>Filing Dt:</b> 2/8/1994 <b>Title:</b> SWITCHING POWER SUPPLY OPERATING AT LITTLE OR NO LOAD
2	<b>Patent #:</b> <u>5469351</u> <b>Issue Dt:</b> 11/21/1995 <b>Application #:</b> 8270967 <b>Filing Dt:</b> 7/5/1994 <b>Title:</b> FAULT ISOLATION IN AN INDUCTION MOTOR CONTROL SYSTEM
3	<b>Patent #:</b> <u>5552977</u> <b>Issue Dt:</b> 9/3/1996 <b>Application #:</b> 8493221 <b>Filing Dt:</b> 6/20/1995 <b>Title:</b> THREE PHASE INVERTER CIRCUIT WITH IMPROVED TRANSITION FROM SVPWM TO SIX STEP OPERATION
4	<b>Patent #:</b> <u>5627446</u> <b>Issue Dt:</b> 5/6/1997 <b>Application #:</b> 8498163 <b>Filing Dt:</b> 7/5/1995 <b>Title:</b> INDUCTION MOTOR CONTROL METHOD
5	<b>Patent #:</b> <u>5619435</u> <b>Issue Dt:</b> 4/8/1997 <b>Application #:</b> 8558950 <b>Filing Dt:</b> 11/13/1995 <b>Title:</b> MACHINE
6	<b>Patent #:</b> <u>5739664</u> <b>Issue Dt:</b> 4/14/1998 <b>Application #:</b> 8596846 <b>Filing Dt:</b> 2/5/1996 <b>Title:</b> INDUCTION MOTOR DRIVE CONTROLLER
7	<b>Patent #:</b> <u>5754026</u> <b>Issue Dt:</b> 5/19/1998 <b>Application #:</b> 8825986 <b>Filing Dt:</b> 4/4/1997 <b>Title:</b> INDUCTION MOTOR CONTROL METHOD
8	<b>Patent #:</b> <u>5821720</u> <b>Issue Dt:</b> 10/13/1998 <b>Application #:</b> 8846442 <b>Filing Dt:</b> 4/30/1997 <b>Title:</b> BACKLASH ELIMINATION IN THE DRIVETRAIN OF AN ELECTRIC VEHICLE
9	<b>Patent #:</b> <u>5994859</u> <b>Issue Dt:</b> 11/30/1999 <b>Application #:</b> 8848206 <b>Filing Dt:</b> 4/30/1997 <b>Title:</b> TORSIONAL OSCILLATION COMPENSATION IN THE DRIVETRAIN OF A MOTOR VEHICLE
10	<b>Patent #:</b> <u>6072297</u> <b>Issue Dt:</b> 6/6/2000 <b>Application #:</b> 8926415 <b>Filing Dt:</b> 9/9/1997 <b>Title:</b> VIBRATION DETECTION AND CONTROL FOR A VEHICLE DRIVETRAIN
11	<b>Patent #:</b> <u>6047787</u> <b>Issue Dt:</b> 4/11/2000 <b>Application #:</b> 9017934 <b>Filing Dt:</b> 2/3/1998 <b>Title:</b> VOLTAGE CONTROL METHOD FOR AN ELECTRIC MOTOR CONTROL SYSTEM
12	<b>Patent #:</b> <u>5977679</u> <b>Issue Dt:</b> 11/2/1999 <b>Application #:</b> 9034946 <b>Filing Dt:</b> 3/5/1998 <b>Title:</b> POLE-PHASE MODULATED TOROIDAL WINDING FOR AN INDUCTION MACHINE
13	<b>Patent #:</b> <u>5905349</u> <b>Issue Dt:</b> 5/18/1999 <b>Application #:</b> 9064237 <b>Filing Dt:</b> 4/23/1998 <b>Title:</b> METHOD OF CONTROLLING ELECTRIC MOTOR TORQUE IN AN ELECTRIC VEHICLE
14	<b>Patent #:</b> <u>5965967</u> <b>Issue Dt:</b> 10/12/1999 <b>Application #:</b> 9110353 <b>Filing Dt:</b> 7/6/1998 <b>Title:</b> ROTOR FOR AN ELECTRICAL MACHINE
15	<b>Patent #:</b> <u>6246343</u> <b>Issue Dt:</b> 6/12/2001 <b>Application #:</b> 9263303 <b>Filing Dt:</b> 3/5/1999 <b>Title:</b> INCREMENT ENCODER FAILURE DETECTION
16	<b>Patent #:</b> <u>6122588</u> <b>Issue Dt:</b> 9/19/2000 <b>Application #:</b> 9420465 <b>Filing Dt:</b> 10/19/1999 <b>Title:</b> VEHICLE SPEED CONTROL WITH CONTINUOUSLY VARIABLE BRAKING TORQUE
17	<b>Patent #:</b> <u>6307275</u> <b>Issue Dt:</b> 10/23/2001 <b>Application #:</b> 9495443 <b>Filing Dt:</b> 1/31/2000 <b>Title:</b> COUPLED TO AN INDUSTRIAL TURBO ENGINE
18	<b>Patent #:</b> <u>6377019</u> <b>Issue Dt:</b> 4/23/2002 <b>Application #:</b> 9499366 <b>Filing Dt:</b> 2/10/2000 <b>Title:</b> PEAK TORQUE PER AMPERE METHOD FOR INDUCTION MOTOR VECTOR CONTROL



United States Patent and Trademark Office

### Patent Assignment Details:

**NOTE: Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.**

Reel/Frame: 019077/0840

Pages: 7

Recorded: 3/28/2007

Conveyance: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Total properties: 104

19	Patent #:	<u>6239575</u>	Issue Dt:	5/29/2001	Application #:	9502869	Filing Dt:	2/11/2000	Title: Induction motor power/torque clamping for electric vehicle performance
20	Patent #:	<u>6330143</u>	Issue Dt:	12/11/2001	Application #:	9512480	Filing Dt:	2/23/2000	Title: Automatic over-current protection of transistors
21	Patent #:	<u>6169679</u>	Issue Dt:	1/2/2001	Application #:	9532796	Filing Dt:	3/21/2000	Title: Method and system for synchronizing the phase angles of parallel connected inverters
22	Patent #:	<u>6291960</u>	Issue Dt:	9/18/2001	Application #:	9533296	Filing Dt:	3/22/2000	Title: Pulse width modulated motor control system and method for reducing noise vibration and harshness
23	Patent #:	<u>6327524</u>	Issue Dt:	12/4/2001	Application #:	9561546	Filing Dt:	4/28/2000	Title: System for high efficiency motor control
24	Patent #:	<u>6366049</u>	Issue Dt:	4/2/2002	Application #:	9567592	Filing Dt:	5/10/2000	Title: Motor starter and speed controller system
25	Patent #:	<u>6178103</u>	Issue Dt:	1/23/2001	Application #:	9567965	Filing Dt:	5/10/2000	Title: Method and circuit for synchronizing parallel voltage source inverters
26	Patent #:	<u>6212085</u>	Issue Dt:	4/3/2001	Application #:	9593613	Filing Dt:	6/13/2000	Title: Integrated dual voltage sourced inverter
27	Patent #:	<u>6362988</u>	Issue Dt:	3/26/2002	Application #:	9606865	Filing Dt:	6/29/2000	Title: OPERATION WITH A GRID
28	Patent #:	<u>6239997</u>	Issue Dt:	5/29/2001	Application #:	9653478	Filing Dt:	9/1/2000	Title: Method and system for connecting and synchronizing a supplemental power source to a power grid
29	Patent #:	<u>6388419</u>	Issue Dt:	5/14/2002	Application #:	9653654	Filing Dt:	9/1/2000	Title: Motor control system
30.	Patent #:	<u>6572416</u>	Issue Dt:	6/3/2003	Application #:	9682976	Filing Dt:	11/5/2001	Publication #: <u>US20030087560</u> Pub Dt: 5/8/2003 Title: THREE-PHASE CONNECTOR FOR ELECTRIC VEHICLE DRIVETRAIN
31	Patent #:	<u>6646837</u>	Issue Dt:	11/11/2003	Application #:	9682994	Filing Dt:	11/6/2001	Publication #: <u>US20020190580</u> Pub Dt: 12/19/2002 Title: ACTIVE GROUND CURRENT REDUCTION DEVICE
32	Patent #:	<u>6744158</u>	Issue Dt:	6/1/2004	Application #:	9683018	Filing Dt:	11/8/2001	Publication #: <u>US20020089244</u> Pub Dt: 7/11/2002 Title: ELECTRIC MACHINE WITH COOLING RINGS
33.	Patent #:	<u>6631960</u>	Issue Dt:	10/14/2003	Application #:	9683171	Filing Dt:	11/28/2001	Publication #: <u>US20030132664</u> Pub Dt: 7/17/2003 Title: SERIES REGENERATIVE BRAKING TORQUE CONTROL SYSTEMS AND METHODS
34.	Patent #:	<u>6496393</u>	Issue Dt:	12/17/2002	Application #:	9683172	Filing Dt:	11/28/2001	Title: INTEGRATED TRACTION INVERTER MODULE AND BI-DIRECTIONAL DC/DC CONVERTER
35.	Patent #:	<u>6465977</u>	Issue Dt:	10/15/2002	Application #:	9683176	Filing Dt:	11/29/2001	



United States Patent and Trademark Office

### Patent Assignment Details

**NOTE: Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.**

Reel/Frame: 019077/0840

Pages: 7

Recorded: 3/28/2007

Conveyance: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Total properties: 104

Title: SYSTEM AND METHOD FOR CONTROLLING TORQUE IN AN ELECTRICAL MACHINE

36 Patent #: 6630809 Issue Dt: 10/7/2003 Application #: 9683180 Filing Dt: 11/29/2001  
Publication #: US20030098665 Pub Dt: 5/29/2003  
Title: SYSTEM AND METHOD FOR INDUCTION MOTOR CONTROL

37 Patent #: 6639334 Issue Dt: 10/28/2003 Application #: 9683199 Filing Dt: 11/30/2001  
Publication #: US20030102728 Pub Dt: 6/5/2003  
Title: JET IMPINGEMENT COOLING OF ELECTRIC MOTOR END-WINDINGS

38 Patent #: 6452352 Issue Dt: 9/17/2002 Application #: 9705236 Filing Dt: 11/2/2000  
Publication #: US20020089242 Pub Dt: 7/11/2002  
Title: CURRENT GENERATING SYSTEM

39 Patent #: 6445095 Issue Dt: 9/3/2002 Application #: 9758871 Filing Dt: 1/11/2001  
Publication #: US20020089242 Pub Dt: 7/11/2002  
Title: ELECTRIC MACHINE WITH LAMINATED COOLING RINGS

40 Patent #: 6636429 Issue Dt: 10/21/2003 Application #: 9957001 Filing Dt: 9/20/2001  
Publication #: US20020126465 Pub Dt: 9/12/2002  
Title: LEVEL

41 Patent #: 6793502 Issue Dt: 9/21/2004 Application #: 9957047 Filing Dt: 9/20/2001  
Publication #: US20020111050 Pub Dt: 8/15/2002  
Title: PRESS (NON-SOLDERED) CONTACTS FOR HIGH CURRENT ELECTRICAL CONNECTIONS IN POWER MODULES

42 Patent #: 6845017 Issue Dt: 1/18/2005 Application #: 9957568 Filing Dt: 9/20/2001  
Publication #: US20020118560 Pub Dt: 8/29/2002  
Title: SUBSTRATE-LEVEL DC BUS DESIGN TO REDUCE MODULE INDUCTANCE

43 Patent #: 6707270 Issue Dt: 3/16/2004 Application #: 10010307 Filing Dt: 11/13/2001  
Publication #: US20030090226 Pub Dt: 5/15/2003  
Title: SYSTEM AND METHOD FOR INDUCTION MOTOR CONTROL

44 Patent #: 7012810 Issue Dt: 3/14/2006 Application #: 10109555 Filing Dt: 3/27/2002  
Publication #: US20020167828 Pub Dt: 11/14/2002  
Title: LEADFRAME-BASED MODULE DC BUS DESIGN TO REDUCE MODULE INDUCTANCE

45 Patent #: 6919650 Issue Dt: 7/19/2005 Application #: 10159603 Filing Dt: 5/31/2002  
Publication #: US20030222507 Pub Dt: 12/4/2003  
Title: HYBRID SYNCHRONIZATION PHASE ANGLE GENERATION METHOD

46 Patent #: 6700342 Issue Dt: 3/2/2004 Application #: 10208251 Filing Dt: 7/29/2002  
Publication #: US20030030395 Pub Dt: 2/13/2003  
Title: LIMITED POSITION INFORMATION

47 Patent #: 6815925 Issue Dt: 11/9/2004 Application #: 10293911 Filing Dt: 11/12/2002  
Publication #: US20040090205 Pub Dt: 5/13/2004  
Title: SYSTEMS AND METHODS FOR ELECTRIC MOTOR CONTROL

48 Patent #: 6778411 Issue Dt: 8/17/2004 Application #: 10298473 Filing Dt: 11/18/2002  
Publication #: US20040095786 Pub Dt: 5/20/2004  
Title: STARTUP APPARATUS AND METHOD FOR POWER CONVERTERS



United States Patent and Trademark Office

## **Patent Assignment Details**

**NOTE: Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.**

Reel/Frame: 019077/0840

Pages: 7

**Recorded:** 3/28/2007

**Conveyance: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).**

**Total properties: 104**

49	<b>Patent #:</b> <u>6714424</u>	<b>Issue Dt:</b> 3/30/2004	<b>Application #:</b> 10306833	<b>Filing Dt:</b> 11/27/2002
	<b>Publication #:</b> <u>US20040037097</u>	<b>Pub Dt:</b> 2/26/2004		
<b>Title:</b> DEAD-TIME COMPENSATION WITH NARROW PULSE ELIMINATION IN SOLID-STATE SWITCH DEVICES				
50	<b>Patent #:</b> <u>6861835</u>	<b>Issue Dt:</b> 3/1/2005	<b>Application #:</b> 10309793	<b>Filing Dt:</b> 12/3/2002
	<b>Publication #:</b> <u>US20040104718</u>	<b>Pub Dt:</b> 6/3/2004		
<b>Title:</b> METHOD AND SYSTEM FOR NON-INVASIVE POWER TRANSISTOR DIE VOLTAGE MEASUREMENT				
51	<b>Patent #:</b> <u>7106564</u>	<b>Issue Dt:</b> 9/12/2006	<b>Application #:</b> 10328934	<b>Filing Dt:</b> 12/23/2002
	<b>Publication #:</b> <u>US20030147191</u>	<b>Pub Dt:</b> 8/7/2003		
<b>Title:</b> DEVICES AND METHODS FOR DETECTING ISLANDING OPERATION OF A STATIC POWER SOURCE				
52	<b>Patent #:</b> <u>7190145</u>	<b>Issue Dt:</b> 3/13/2007	<b>Application #:</b> 10334198	<b>Filing Dt:</b> 12/30/2002
	<b>Publication #:</b> <u>US20030164692</u>	<b>Pub Dt:</b> 9/4/2003		
<b>Title:</b> METHOD AND APPARATUS FOR IMPROVING SPEED MEASUREMENT QUALITY IN MULTI-POLE MACHINES				
53	<b>Patent #:</b> <u>6914354</u>	<b>Issue Dt:</b> 7/5/2005	<b>Application #:</b> 10334820	<b>Filing Dt:</b> 12/30/2002
	<b>Publication #:</b> <u>US20030173840</u>	<b>Pub Dt:</b> 9/18/2003		
<b>Title:</b> ASSEMBLY AND METHOD FOR DIRECT COOLING OF MOTOR END-WINDING				
54	<b>Patent #:</b> <u>6853940</u>	<b>Issue Dt:</b> 2/8/2005	<b>Application #:</b> 10345871	<b>Filing Dt:</b> 1/15/2003
	<b>Publication #:</b> <u>US20030165036</u>	<b>Pub Dt:</b> 9/4/2003		
<b>Title:</b> ANTI-ISLANDING DEVICE AND METHOD FOR GRID CONNECTED INVERTERS USING RANDOM NOISE INJECTION				
55	<b>Patent #:</b> <u>6844701</u>	<b>Issue Dt:</b> 1/18/2005	<b>Application #:</b> 10345872	<b>Filing Dt:</b> 1/15/2003
	<b>Publication #:</b> <u>US20030164028</u>	<b>Pub Dt:</b> 9/4/2003		
<b>Title:</b> OVERMODULATION SYSTEMS AND METHODS FOR INDUCTION MOTOR CONTROL				
56	<b>Patent #:</b> <u>6937483</u>	<b>Issue Dt:</b> 8/30/2005	<b>Application #:</b> 10345894	<b>Filing Dt:</b> 1/15/2003
	<b>Publication #:</b> <u>US20030198064</u>	<b>Pub Dt:</b> 10/23/2003		
<b>Title:</b> DEVICE AND METHOD OF COMMUTATION CONTROL FOR AN ISOLATED BOOST CONVERTER				
57	<b>Patent #:</b> <u>6843749</u>	<b>Issue Dt:</b> 1/18/2005	<b>Application #:</b> 10346554	<b>Filing Dt:</b> 1/16/2003
	<b>Publication #:</b> <u>US20030155165</u>	<b>Pub Dt:</b> 8/21/2003		
<b>Title:</b> APPARATUS AND METHOD TO ACHIEVE MULTIPLE EFFECTIVE RATIOS FROM A FIXED RATIO TRANSAKLE				
58	<b>Patent #:</b> <u>7014928</u>	<b>Issue Dt:</b> 3/21/2006	<b>Application #:</b> 10346561	<b>Filing Dt:</b> 1/16/2003
	<b>Publication #:</b> <u>US20030157379</u>	<b>Pub Dt:</b> 8/21/2003		
<b>Title:</b> DIRECT CURRENT/DIRECT CURRENT CONVERTER FOR A FUEL CELL SYSTEM				
59	<b>Patent #:</b> <u>6894450</u>	<b>Issue Dt:</b> 5/17/2005	<b>Application #:</b> 10346724	<b>Filing Dt:</b> 1/16/2003
	<b>Publication #:</b> <u>US20030214266</u>	<b>Pub Dt:</b> 11/20/2003		
<b>Title:</b> CIRCUIT CONFIGURATION FOR PERMANENT MAGNET SYNCHRONOUS MOTOR CONTROL				
60	<b>Patent #:</b> <u>7012822</u>	<b>Issue Dt:</b> 3/14/2006	<b>Application #:</b> 10360832	<b>Filing Dt:</b> 2/7/2003
	<b>Publication #:</b> <u>US20030214826</u>	<b>Pub Dt:</b> 11/20/2003		
<b>Title:</b> INTEGRATED TRACTION INVERTER MODULE AND DC/DC CONVERTER				
61	<b>Patent #:</b> <u>6890218</u>	<b>Issue Dt:</b> 5/10/2005	<b>Application #:</b> 10443646	<b>Filing Dt:</b> 5/21/2003
	<b>Publication #:</b> <u>US20040033729</u>	<b>Pub Dt:</b> 2/19/2004		
<b>Title:</b> THREE-PHASE CONNECTOR FOR ELECTRIC VEHICLE DRIVETRAIN				



United States Patent and Trademark Office

### Patent Assignment Details

**NOTE: Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.**

Reel/Frame: 019077/0840

Recorded: 3/28/2007

Pages: 7

Conveyance: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Total properties: 104

62	Patent #:	<u>6927988</u>	Issue Dt:	8/9/2005	Application #:	10447708	Filing Dt:	5/28/2003
	Publication #:	<u>US20040034508</u>	Pub Dt:	2/19/2004				
	Title:	CONVERTER CIRCUITS						
63	Patent #:	<u>6936991</u>	Issue Dt:	8/30/2005	Application #:	10449824	Filing Dt:	5/30/2003
	Publication #:	<u>US20040036434</u>	Pub Dt:	2/26/2004				
	Title:	METHOD AND APPARATUS FOR MOTOR CONTROL						
64	Patent #:	<u>6845020</u>	Issue Dt:	1/18/2005	Application #:	10453920	Filing Dt:	6/2/2003
	Publication #:	<u>US20040027839</u>	Pub Dt:	2/12/2004				
	Title:	POWER CONVERTER SYSTEM						
65	Patent #:	<u>6867987</u>	Issue Dt:	3/15/2005	Application #:	10461933	Filing Dt:	6/13/2003
	Publication #:	<u>US20040252531</u>	Pub Dt:	12/16/2004				
	Title:	MULTILEVEL INVERTER CONTROL SCHEMES						
66	Patent #:	<u>6900643</u>	Issue Dt:	5/31/2005	Application #:	10637754	Filing Dt:	8/6/2003
	Publication #:	<u>US20050030045</u>	Pub Dt:	2/10/2005				
	Title:	RIDE THROUGH IN ELECTRONIC POWER CONVERTERS						
67	Patent #:	<u>6906404</u>	Issue Dt:	6/14/2005	Application #:	10642391	Filing Dt:	8/14/2003
	Publication #:	<u>US20040227231</u>	Pub Dt:	11/18/2004				
	Title:	POWER MODULE WITH VOLTAGE OVERSHOOT LIMITING						
68	Patent #:	<u>6987670</u>	Issue Dt:	1/17/2006	Application #:	10642424	Filing Dt:	8/14/2003
	Publication #:	<u>US20040228094</u>	Pub Dt:	11/18/2004				
	Title:	DUAL POWER MODULE POWER SYSTEM ARCHITECTURE						
69	Patent #:	<u>7058755</u>	Issue Dt:	6/6/2006	Application #:	10658124	Filing Dt:	9/9/2003
	Publication #:	<u>US20050055496</u>	Pub Dt:	3/10/2005				
	Title:	EPPROM EMULATION IN FLASH MEMORY						
70	Patent #:	NONE	Issue Dt:		Application #:	10658804	Filing Dt:	9/9/2003
	Publication #:	<u>US20060274561</u>	Pub Dt:	12/7/2006				
	Title:	Tri-level inverter						
71	Patent #:	NONE	Issue Dt:		Application #:	10664808	Filing Dt:	9/17/2003
	Publication #:	<u>US20040230847</u>	Pub Dt:	11/18/2004				
	Title:	Power converter architecture employing at least one capacitor across a DC bus						
72	Patent #:	<u>7019996</u>	Issue Dt:	3/28/2006	Application #:	10688834	Filing Dt:	10/16/2003
	Publication #:	<u>US20050083714</u>	Pub Dt:	4/21/2005				
	Title:	POWER CONVERTER EMPLOYING A PLANAR TRANSFORMER						
73	Patent #:	NONE	Issue Dt:		Application #:	10713552	Filing Dt:	11/14/2003
	Publication #:	<u>US20050105229</u>	Pub Dt:	5/19/2005				
	Title:	Two-level protection for uninterrupted power supply						
74	Patent #:	<u>6940735</u>	Issue Dt:	9/6/2005	Application #:	10713767	Filing Dt:	11/14/2003
	Publication #:	<u>US20050105306</u>	Pub Dt:	5/19/2005				
	Title:	POWER CONVERTER SYSTEM						



United States Patent and Trademark Office

**Patent Assignment Details**

**NOTE: Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.**

Reel/Frame: 019077/0840

Pages: 7

Recorded: 3/28/2007

Conveyance: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Total properties: 104

88	Patent #: <u>7046535</u>	Issue Dt: 5/16/2006	Application #: 11003542	Filing Dt: 12/3/2004
	Publication #: <u>US20050152100</u>	Pub Dt: 7/14/2005		
Title: ARCHITECTURE FOR POWER MODULES SUCH AS POWER INVERTERS				
89	Patent #: NONE	Issue Dt:	Application #: 11010560	Filing Dt: 12/13/2004
	Publication #: <u>US20050152101</u>	Pub Dt: 7/14/2005		
Title: Architecture for power modules such as power inverters				
90	Patent #: NONE	Issue Dt:	Application #: 11010561	Filing Dt: 12/13/2004
	Publication #: <u>US20050162875</u>	Pub Dt: 7/28/2005		
Title: Architecture for power modules such as power inverters				
91	Patent #: NONE	Issue Dt:	Application #: 11010950	Filing Dt: 12/13/2004
	Publication #: <u>US20060007721</u>	Pub Dt: 1/12/2006		
Title: Architecture for power modules such as power inverters				
92	Patent #: NONE	Issue Dt:	Application #: 11095035	Filing Dt: 3/30/2005
	Publication #: <u>US20050253543</u>	Pub Dt: 11/17/2005		
Title: Method, apparatus and article for vibration compensation in electric drivetrains				
93	Patent #: NONE	Issue Dt:	Application #: 11096236	Filing Dt: 3/30/2005
	Publication #: <u>US20050254273</u>	Pub Dt: 11/17/2005		
Title: Method, apparatus and article for bi-directional DC/DC power conversion				
94	Patent #: NONE	Issue Dt:	Application #: 11192321	Filing Dt: 7/28/2005
	Publication #: <u>US20060022541</u>	Pub Dt: 2/2/2006		
Title: Rotor hub and assembly for a permanent magnet power electric machine				
95	Patent #: <u>7187558</u>	Issue Dt: 3/6/2007	Application #: 11245723	Filing Dt: 10/6/2005
	Publication #: <u>US20060028806</u>	Pub Dt: 2/9/2006		
Title: LEADFRAME-BASED MODULE DC BUS DESIGN TO REDUCE MODULE INDUCTANCE				
96	Patent #: NONE	Issue Dt:	Application #: 11250180	Filing Dt: 10/12/2005
	Publication #: <u>US20070080655</u>	Pub Dt: 4/12/2007		
Title: Method, apparatus and article for detecting rotor position				
97	Patent #: NONE	Issue Dt:	Application #: 11255162	Filing Dt: 10/20/2005
	Publication #: <u>US20060152085</u>	Pub Dt: 7/13/2006		
Title: Power system method and apparatus				
98	Patent #: NONE	Issue Dt:	Application #: 11262519	Filing Dt: 10/27/2005
	Publication #: <u>US20070097569</u>	Pub Dt: 5/3/2007		
Title: System and method of over voltage control for a power system				
99	Patent #: NONE	Issue Dt:	Application #: 11282301	Filing Dt: 11/18/2005
	Publication #: <u>US20070114954</u>	Pub Dt: 5/24/2007		
Title: System and method of commonly controlling power converters				
100	Patent #: <u>7193860</u>	Issue Dt: 3/20/2007	Application #: 11292870	Filing Dt: 12/2/2005
	Publication #: <u>US20060082983</u>	Pub Dt: 4/20/2006		
Title: LEADFRAME-BASED MODULE DC BUS DESIGN TO REDUCE MODULE INDUCTANCE				



United States Patent and Trademark Office

### Patent Assignment Details

**NOTE: Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.**

Reel/Frame: 019077/0840

Pages: 7

Recorded: 3/28/2007

Conveyance: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Total properties: 104

101	Patent #: NONE Publication #: <u>US20070147097</u> Title: house keeping power supply	Issue Dt: 6/28/2007 Pub Dt: 6/28/2007	Application #: 11317658 Filing Dt: 12/22/2005
102	Patent #: NONE Publication #: <u>US20060099463</u> Title: Direct current/direct current converter for a fuel cell system	Issue Dt: 5/11/2006 Pub Dt: 5/11/2006	Application #: 11318166 Filing Dt: 12/23/2005
103	Patent #: NONE Publication #: <u>US20070012492</u> Title: Power-generation system suitable for hybrid electric vehicles	Issue Dt: 1/18/2007 Pub Dt: 1/18/2007	Application #: 11472486 Filing Dt: 6/20/2006
104	Patent #: NONE Publication #: <u>US20070016340</u> Title: Controller method, apparatus and article suitable for electric drive	Issue Dt: 1/18/2007 Pub Dt: 1/18/2007	Application #: 11480311 Filing Dt: 6/29/2006

Assignor

1 BALLARD POWER SYSTEMS CORPORATION

Assignee

1 SIEMENS VDO AUTOMOTIVE CORPORATION  
2400 EXECUTIVE HILLS BLVD.  
AUBURN HILLS, MICHIGAN 48326-2980

Correspondence name and address

ELSA KELLER  
SIEMENS CORPORATION INTELLECTUAL ET AL  
170 WOOD AVENUE SOUTH  
ISELIN, NJ 08830

Search Results as of: 07/19/2007 02:11 PM

If you have any comments or questions concerning the data displayed, contact PRD / Assignments at 571-272-3350 v.2.0.1

Web interface last modified: April 20, 2007 v.2.0.1